

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 3/31/2015 Revision date: 8/31/2023 Supersedes: 3/31/2015 Version: 2.0

#### **SECTION 1: Identification**

#### 1.1. Identification

Product form : Mixture

Product name : BISPHENOL A (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE

Product code : CLM-4325-S

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

Cambridge Isotope Laboratories, Inc.

50 Frontage Rd

01810

ANDOVER, MA, 01810

USA

T 1-800-322-1174

cilsales@isotope.com - www.isotope.com

#### 1.4. Emergency telephone number

Emergency number : 1-703-741-5970

Chemtrec 1-800-424-9300 24 hours

#### **SECTION 2: Hazard(s) identification**

#### 2.1. Classification of the substance or mixture

#### **GHS US classification**

Flammable liquids Category 2 H225 Highly flammable liquid and vapor

Acute toxicity (oral) Category 4 H302 Harmful if swallowed
Acute toxicity (dermal) Category 4 H312 Harmful in contact with skin

Acute toxicity (inhalation:vapor) Category 4 H332 Harmful if inhaled

Serious eye damage/eye irritation Category 2A H319 Causes serious eye irritation

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

#### **GHS US labeling**

Hazard pictograms (GHS US)





Signal word (GHS US) : Danger

Hazard statements (GHS US) : H225 - Highly flammable liquid and vapor

H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled

H319 - Causes serious eye irritation

Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking. heat, hot surfaces, open flames, sparks

P233 - Keep container tightly closed.

P240 - Ground/Bond container and receiving equipment.

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P241 - Use explosion-proof electrical, lighting, ventilating equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P261 - Avoid breathing fume, mist, spray, vapors.

P264 - Wash hands, forearms and face thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear eye protection, face protection, protective clothing, protective gloves.

P301+P312 - If swallowed: Call a doctor if you feel unwell.

P302+P352 - If on skin: Wash with plenty of water.

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 - Call a doctor if you feel unwell.

P321 - Specific treatment (see Hazardous component(s) for labeling on this label).

P330 - Rinse mouth.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO2), dry extinguishing powder to extinguish.

P403+P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

#### **SECTION 3: Composition/Information on ingredients**

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
ACETONITRILE UNLABELED	CAS-No.: 75-05-8	99.987	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2A, H319
BISPHENOL A (RING-13C12, 99%)	CAS-No.: 80-05-7 (Unlabeled)	0.013	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 2, H361 STOT SE 3, H335 Aquatic Acute 2, H401

Full text of hazard classes and H-statements : see section 16

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#### **SECTION 4: First-aid measures**

#### 4.1. Description of first aid measures

First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Evacuate area.

First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. If not

breathing, give artificial respiration. Call a physician immediately. Get immediate medical

advice/attention.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.

Immediately call a poison center or doctor/physician. Specific measures (see Hazard pictograms (CLP) on this label). Wash with plenty of soap and water. Wash contaminated clothing before

reuse.

First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Get

immediate medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

#### 4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and : Treat as cyanide poisoning. Always have on hand a cyanide first-aid kit, together with proper symptoms : The onset of symptoms is generally delayed pending conversion to cyanide.

Nausea, Vomiting, Diarrhea, Headache, Dizziness, Rash, Cyanosis, Excitement, Depression, Drowsiness, Impaired judgment, Lack of coordination, Stupor, Death. Lungs - Lung edema - Based on human evidence. Harmful if swallowed. Harmful in contact with skin. This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as

guaranteeing any specific property of the product.

Symptoms/effects after inhalation : Harmful if inhaled. May cause respiratory irritation. Symptoms/effects after skin contact : Repeated exposure to this material can result in ab

: Repeated exposure to this material can result in absorption through skin causing significant

health hazard. Harmful in contact with skin.

Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : Swallowing a small quantity of this material will result in serious health hazard. Harmful if

swallowed.

#### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

### **SECTION 5: Fire-fighting measures**

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

#### 5.2. Specific hazards arising from the chemical

Fire hazard : Highly flammable liquid and vapor.

Explosion hazard : May form flammable/explosive vapor-air mixture.

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Wear a self contained breathing apparatus. Fight fire with normal precautions from a reasonable

distance.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear

self-contained breathing apparatus, rubber boots and thick rubber gloves.

Other information : Use water spray to cool unopened containers.

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#### **SECTION 6: Accidental release measures**

# 6.1. Personal precautions, protective equipment and emergency procedures

General measures Remove ignition sources. Use spec

: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

Emergency procedures : Use personal protective equipment as required. Avoid breathing vapors, mist, gas. Ensure

adequate air ventilation. Evacuate unnecessary personnel. Eliminate all ignition sources if safe to do so. Provide adequate ventilation to minimize dust and/or vapor concentrations. Special attention should be given to low areas/pits where flammable vapors can accumulate.

6.1.2. For emergency responders

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment : Dike and contain spill. Disposal should be in accordance with applicable Federal, State and local

regulations.

Methods for cleaning up : Collect spillage. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation. For large spills, confine the spill in a dike and charge it

with wet sand or earth for subsequent safe disposal.

#### 6.4. Reference to other sections

No additional information available

# **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling : No open flames. No smoking. Use only non-sparking tools. Use only outdoors or in a well-

ventilated area.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond

container and receiving equipment. Use explosion-proof electrical equipment.

Storage conditions : Store at room temperature away from light and moisture.

Incompatible materials : Heat sources.

### **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

#### **BISPHENOL A (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE**

# USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA [ppm] 20 ppm

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BISPHENOL A (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE			
Remark (ACGIH)	Lower Respiratory Tract irritation. Not classifiable as a human carcinogen.		
USA - OSHA - Occupational Exposure Limits	USA - OSHA - Occupational Exposure Limits		
OSHA PEL TWA [1]	70 mg/m <sup>3</sup>		
OSHA PEL TWA [2]	40 ppm		
Remark (OSHA)	The value in mg/m3 is approximate.		
USA - NIOSH - Occupational Exposure Limits			
NIOSH REL TWA	34 mg/m³		
NIOSH REL TWA [ppm]	20 ppm		
Remark (NIOSH)	Forms Cyanide in the body.		
ACETONITRILE UNLABELED (75-05-8)			
USA - ACGIH - Occupational Exposure Limits	USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	20 ppm Lower Respiratory Tract irritation. Not classifiable as a human carcinogen.		
USA - OSHA - Occupational Exposure Limits			
OSHA PEL TWA [1]	70 mg/m³ The value in mg/m3 is approximate.		
OSHA PEL TWA [2]	40 ppm The value in mg/m3 is approximate.		
USA - NIOSH - Occupational Exposure Limits			
NIOSH REL TWA	34 mg/m³ Forms Cyanide in the body.		
NIOSH REL TWA [ppm]	20 ppm Forms Cyanide in the body.		
BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))			
USA - ACGIH - Occupational Exposure Limits			
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.		

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety procedures.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

# Personal protective equipment:

Gloves. Protective goggles. Protective clothing. Self-contained breathing apparatus.

Materials for protective clothing:	
Wear suitable protective clothing and gloves	
Hand protection:	
Wear suitable protective clothing and gloves	
Eye protection:	
Chemical goggles or face shield with safety glasses	
Skin and body protection:	
Wear suitable protective clothing, gloves and eye/face protection	

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#### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

#### Personal protective equipment symbol(s):









### **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid, clear.
Color : Colorless
Odor : ether-like
Odor threshold : No data available

pH : No data available

Melting point : -48 °C (-54°F)

Freezing point : No data available

Boiling point : 81 – 82 °C (178 - 180 °F)

Relative evaporation rate (butyl acetate=1) : No data available

Flammability (solid, gas) : Highly flammable liquid and vapor.

Vapor pressure : 73.18 hPa (54.89 mmHg) at 15°C (59 °F), 119.81 hPa (89.86 mmHg) at 25°C(77 °F)

Relative vapor density at 20°C : 1.42 - (Air = 1.0)
Relative density : No data available
Density : 0.786 g/ml
Molecular mass : 41.05 g/mol
Solubility : Water: 100 %

Partition coefficient n-octanol/water (Log Pow) : -0.34

Auto-ignition temperature : 523 °C (973 °F)

Decomposition temperature : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosion limits : 4.4 – 16 vol %

Explosive properties : No data available

Oxidizing properties : No data available

#### 9.2. Other information

No additional information available

#### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

Vapors may form explosive mixture with air.

### 10.2. Chemical stability

See storage and expiration date on CoA.

#### 10.3. Possibility of hazardous reactions

Highly flammable liquid and vapor.

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#### 10.4. Conditions to avoid

Open flame. Direct sunlight.

#### 10.5. Incompatible materials

Acids. Alkali metals. Bases. Oxidizing agent. Reducing agents.

#### 10.6. Hazardous decomposition products

May release flammable gases. Carbon oxides (CO, CO2). Nitrogen oxides.

# **SECTION 11: Toxicological information**

# 11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.

Acute toxicity (dermal) : Harmful in contact with skin.

Acute toxicity (inhalation) : Harmful if inhaled.

BISPHENOL A (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE	
LD50 oral rat	2460 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 Inhalation - Rat	≥ 26.8 mg/l
LC50 Inhalation - Rat [ppm]	7551 ppm - 8h
ATE US (oral)	500 mg/kg body weight
ATE US (dermal)	2000 mg/kg body weight
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	26.8 mg/l/4h

ACETONITRILE UNLABELED	(75-05-8)
------------------------	-----------

LD50 oral rat	2460 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 Inhalation - Rat	≥ 26.8 mg/l
LC50 Inhalation - Rat [ppm]	7551 ppm - 8h
ATE US (oral)	500 mg/kg body weight
ATE US (dermal)	2000 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

# BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))

BIST NEWOL A (NING-13C12, 99 %) (00-03-7 (Ulliabeled))	
LD50 oral rat	> 2,000 - 5,000 mg/kg - male and female - (OECD Test Guideline 401)
LD50 dermal rabbit	3000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	170 mg/m3 - male and female - 6 h
ATE US (oral)	500 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight

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Skin corrosion/irritation : Not classified

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitization Not classified Germ cell mutagenicity Not classified Carcinogenicity Not classified Not classified Reproductive toxicity STOT-single exposure Not classified

### **BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))**

STOT-single exposure May cause respiratory irritation.

STOT-repeated exposure : Not classified

# BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))

LOAEL (oral,rat,90 days) 600 mg/kg bodyweight/day male and female - OECD Test Guideline 407

Aspiration hazard Not classified No data available

Viscosity, kinematic

Potential Adverse human health effects and symptoms

Treat as cyanide poisoning. Always have on hand a cyanide first-aid kit, together with proper instructions. The onset of symptoms is generally delayed pending conversion to cyanide. Nausea, Vomiting, Diarrhea, Headache, Dizziness, Rash, Cyanosis, Excitement, Depression, Drowsiness, Impaired judgment, Lack of coordination, Stupor, Death. Lungs - Lung edema -Based on human evidence. Harmful if swallowed. Harmful in contact with skin. This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Symptoms/effects after inhalation Harmful if inhaled. May cause respiratory irritation.

Symptoms/effects after skin contact Repeated exposure to this material can result in absorption through skin causing significant

health hazard. Harmful in contact with skin.

Symptoms/effects after eye contact Causes serious eye irritation.

Symptoms/effects after ingestion Swallowing a small quantity of this material will result in serious health hazard. Harmful if

swallowed.

#### **SECTION 12: Ecological information**

#### 12.1. Toxicity

Ecology - general The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

BISPHENOL A (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE		
LC50 - Fish [1]	1640 mg/l Pimephales promelas (fathead minnow) - 96h	
EC50 - Crustacea [1]	3600 mg/l Daphnia magna (Water flea) - 48h	
NOEC (chronic)	640 mg/l Daphnia magna (Water flea) - 14d	
ACETONITRILE UNLABELED (75-05-8)		
LC50 - Fish [1]	1640 mg/l Pimephales promelas (fathead minnow) - 96h	
EC50 - Crustacea [1]	3600 mg/l Daphnia magna (Water flea) - 48h	
NOEC (chronic)	640 mg/l Daphnia magna (Water flea) - 14d	
BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))		
LC50 - Fish [1]	4.6 mg/l Pimephales promelas (fathead minnow) - 96 h	
EC50 - Crustacea [1]	3.9 mg/l Daphnia magna (Water Flea) - 48 h	
EC50 96h - Algae [1]	2.73 – 3.1 mg/l Pseudokirchneriella subcapitata (green algae)	

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#### 12.2. Persistence and degradability

BISPHENOL A (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE		
Persistence and degradability	Biodegradability	Result: - Readily biodegradable.
ACETONITRILE UNLABELED (75-05-8)		
Persistence and degradability	Biodegradability	Result: - Readily biodegradable.
BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))		
Biodegradation	89 % aerobic - Expo	osure time 28 d Readily biodegradable - (OECD Test Guideline 301F)

# 12.3. Bioaccumulative potential

BISPHENOL A (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE		
Partition coefficient n-octanol/water (Log Pow)	-0.34	
Bioaccumulative potential	No bioaccumulation is to be expected (log Pow <= 4).	
ACETONITRILE UNLABELED (75-05-8)		
Partition coefficient n-octanol/water (Log Pow)	-0.34	
Bioaccumulative potential	No bioaccumulation is to be expected (log Pow <= 4).	
BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))		
BCF - Fish [1]	0.015 mg/l Cyprinus carpio (Carp) - 42 d	
Bioconcentration factor (BCF REACH)	0 20 - 67	
Partition coefficient n-octanol/water (Log Pow)	3.4 at 21.5 °C (70.7 °F)	

# 12.4. Mobility in soil

BISPHENOL A (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE		
Ecology - soil	Not expected to absorb on soil.	
ACETONITRILE UNLABELED (75-05-8)		
Ecology - soil	Not expected to absorb on soil.	
BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))		
Ecology - soil	gy - soil Not available.	

#### 12.5. Other adverse effects

Other adverse effects : Avoid release to the environment. Disposal must be done according to official regulations. May cause long lasting harmful effects to aquatic life.

# **SECTION 13: Disposal considerations**

#### 13.1. Disposal methods

Regional legislation (waste) : Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.

Product/Packaging disposal recommendations : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Ecology - waste materials : Dispose of as unused product.

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#### **SECTION 14: Transport information**

In accordance with DOT / TDG / IMDG / IATA

#### 14.1. UN number

DOT NA NO : UN1648 UN-No. (TDG) : UN1648 UN-No. (IMDG) : 1648 UN-No. (IATA) : 1648

# 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Acetonitrile
Proper Shipping Name (TDG) : ACETONITRILE
Proper Shipping Name (IMDG) : ACETONITRILE
Proper Shipping Name (IATA) : Acetonitrile

#### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT) : 3 Hazard labels (DOT) : 3



#### **TDG**

Transport hazard class(es) (TDG) : 3
Hazard labels (TDG) : 3



#### **IMDG**

Transport hazard class(es) (IMDG) : 3
Hazard labels (IMDG) : 3



#### IATA

Transport hazard class(es) (IATA) : 3
Hazard labels (IATA) : 3



#### 14.4. Packing group

Packing group (DOT) : II
Packing group (TDG) : II
Packing group (IMDG) : II

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Packing group (IATA) : 11

#### 14.5. Environmental hazards

Other information : No supplementary information available.

#### 14.6. Special precautions for user

DOT

: UN1648 UN-No.(DOT)

DOT Special Provisions (49 CFR 172.102) : IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite

(31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110

kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.

T7 - 4 178.274(d)(2) Normal...... 178.275(d)(3)

TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image)

Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59

F) and 50 C (122 F), respectively.

DOT Packaging Exceptions (49 CFR 173.xxx) 150 DOT Packaging Non Bulk (49 CFR 173.xxx) 202 DOT Packaging Bulk (49 CFR 173.xxx) 242 DOT Quantity Limitations Passenger aircraft/rail (49 : 5 L

CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49

CFR 175.75)

**DOT Vessel Stowage Location** : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25

passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this

section is exceeded.

: 60 L

**DOT Vessel Stowage Other** 40 - Stow "clear of living quarters"

**TDG** 

UN-No. (TDG) : UN1648 **Explosive Limit and Limited Quantity Index** : 1L Excepted quantities (TDG) : E2 Passenger Carrying Road Vehicle or Passenger : 5 L

Carrying Railway Vehicle Index

Emergency Response Guide (ERG) Number : 127

**IMDG** 

Limited quantities (IMDG) : 1L Excepted quantities (IMDG) F2 Packing instructions (IMDG) P001 IBC packing instructions (IMDG) IBC02 Tank instructions (IMDG) : T7 Tank special provisions (IMDG)

EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS

S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS EmS-No. (Spillage)

Stowage category (IMDG) : B Stowage and handling (IMDG) : SW2 Flash point (IMDG) 2°C c c

Properties and observations (IMDG) Colourless, volatile liquid. Flashpoint: 2°C c.c. Explosive limits: 3% to 16% Miscible with

water. When involved in a fire, evolves toxic cyanide fumes. Harmful if swallowed, by skin contact

or by inhalation.

MFAG-No : 127

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PCA Excepted quantities (IATA) : E2 PCA Limited quantities (IATA) : Y341 PCA limited quantity max net quantity (IATA) : 1L PCA packing instructions (IATA) : 353 PCA max net quantity (IATA) : 5L CAO packing instructions (IATA) : 364 CAO max net quantity (IATA) : 60L ERG code (IATA) : 3L

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

# **SECTION 15: Regulatory information**

#### 15.1. US Federal regulations

BISPHENOL A (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE	
CERCLA RQ	5000 lb
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
ACETONITRILE UNLABELED	75-05-8	Present	Active	
BISPHENOL A (RING-13C12, 99%)	80-05-7 (Unlabeled)	Not present	-	

ACETONITRILE UNLABELED (75-05-8)		
Subject to reporting requirements of United States SARA Section 313 Listed on EPA Hazardous Air Pollutant (HAPS)		
CERCLA RQ	5000 lb	
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard	

BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))	
SARA Section 302 Threshold Planning Quantity (TPQ)	Subject to reporting requirements of United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard

#### 15.2. International regulations

# CANADA

#### **ACETONITRILE UNLABELED (75-05-8)**

Listed on the Canadian DSL (Domestic Substances List)

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#### **EU-Regulations**

No additional information available

#### **National regulations**

#### **ACETONITRILE UNLABELED (75-05-8)**

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### 15.3. US State regulations

BISPHENOL A (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE		
	U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List	

BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))					
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
No	No	Yes	No		

Component	State or local regulations
ACETONITRILE UNLABELED(75-05-8)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List

# **SECTION 16: Other information**

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Revision date : 08/31/2023

Other information : This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled

compounds are generally not available, but are assumed to be similar or identical to the

corresponding unlabeled compound.

Full text of H-phrases		
H225	Highly flammable liquid and vapor	
H302	Harmful if swallowed	
H312	Harmful in contact with skin	
H317	May cause an allergic skin reaction	
H318	Causes serious eye damage	
H319	Causes serious eye irritation	
H332	Harmful if inhaled	
H335	May cause respiratory irritation	
H361	Suspected of damaging fertility or the unborn child	
H401	Toxic to aquatic life	

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Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.